

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
**WO 2005/058295 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 31/133**,  
31/135, 31/00, 45/06, A61P 25/28

(74) Agent: **GRUBB, Philip**; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

(21) International Application Number:  
PCT/EP2004/014436

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
17 December 2004 (17.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:  
0329498.0 19 December 2003 (19.12.2003) GB

(71) Applicant (*for all designated States except AT, US*): **NOVARTIS AG** [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(71) Applicant (*for AT only*): **NOVARTIS PHARMA GMBH** [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

Published:  
— with international search report

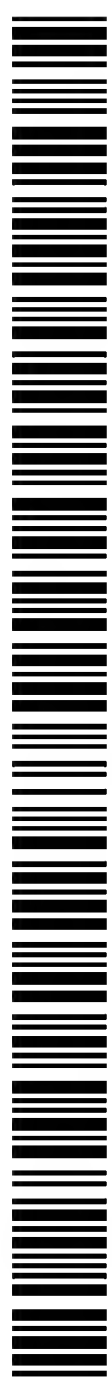
(72) Inventors; and  
(75) Inventors/Applicants (*for US only*): **BRINKMANN, Volker** [DE/DE]; Sternwaldstrasse 31, 79102 Freiburg (DE). **KANEIDER, Nicole** [AT/AT]; Josef-Pöll-Strasse 11, A-6020 Innsbruck (AT). **WIEDERMANN, Christian, J.** [AT/AT]; Reithmannstrasse 18, A-6020 Innsbruck (AT).

(88) Date of publication of the international search report:  
24 November 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: USE OF SPHINGOSINE-1-PHOSPHATE (S1P) RECEPTOR AGONISTS FOR THE TREATMENT OF BRAIN DEGENERATIVE DISEASES

(57) Abstract: Disclosed is the use of sphingosine-1-phosphate (S1P) receptor agonists, preferably 2-amino-2- [2-(4-octylphenyl)ethyl] propane-1,3-diol, in the treatment of progressive dementia or brain degenerative diseases.



WO 2005/058295 A3